

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055181.D
 Acq On : 14 Oct 2022 16:57
 Operator : CG/JU
 Sample : N5118-03DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-4-101222DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022

Quant Time: Oct 14 17:36:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.303	152	55437	20.000	ng	0.00
21) Naphthalene-d8	11.135	136	213942	20.000	ng	0.00
39) Acenaphthene-d10	14.913	164	130960	20.000	ng	0.00
64) Phenanthrene-d10	17.651	188	257305	20.000	ng	0.00
76) Chrysene-d12	21.934	240	235088	20.000	ng	0.00
86) Perylene-d12	25.365	264	229193	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.824	112	22203	7.836	ng	0.00
7) Phenol-d6	7.439	99	29574	7.056	ng	0.00
23) Nitrobenzene-d5	9.472	82	18152	4.550	ng	0.00
42) 2,4,6-Tribromophenol	16.394	330	12625	6.709	ng	0.00
45) 2-Fluorobiphenyl	13.544	172	44788	5.587	ng	0.00
79) Terphenyl-d14	20.218	244	60553	5.188	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.188	128	57676	5.126	ng	98
37) 2-Methylnaphthalene	12.768	142	27681	3.285	ng	99
38) 1-Methylnaphthalene	12.986	142	22701	2.762	ng	94
52) Acenaphthene	14.978	154	21067	2.758	ng	99
55) Dibenzofuran	15.307	168	38668	3.245	ng	98
58) Fluorene	15.953	166	55546	5.677	ng	99
71) Phenanthrene	17.692	178	359853	26.963	ng	99
72) Anthracene	17.780	178	79505	6.096	ng	99
73) Carbazole	18.039	167	36477	3.004	ng	100
75) Fluoranthene	19.678	202	341664	20.479	ng	99
78) Pyrene	20.042	202	285236	18.201	ng	99
81) Benzo(a)anthracene	21.911	228	146043	9.709	ng	98
83) Chrysene	21.981	228	124666	8.786	ng	97
87) Indeno(1,2,3-cd)pyrene	29.302	276	46215	2.722	ng	# 89
88) Benzo(b)fluoranthene	24.273	252	144179	10.554	ng	# 97
89) Benzo(k)fluoranthene	24.331	252	70175m	5.113	ng	
90) Benzo(a)pyrene	25.195	252	108488	9.287	ng	# 96
92) Benzo(g,h,i)perylene	30.536	276	36978	2.687	ng	# 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

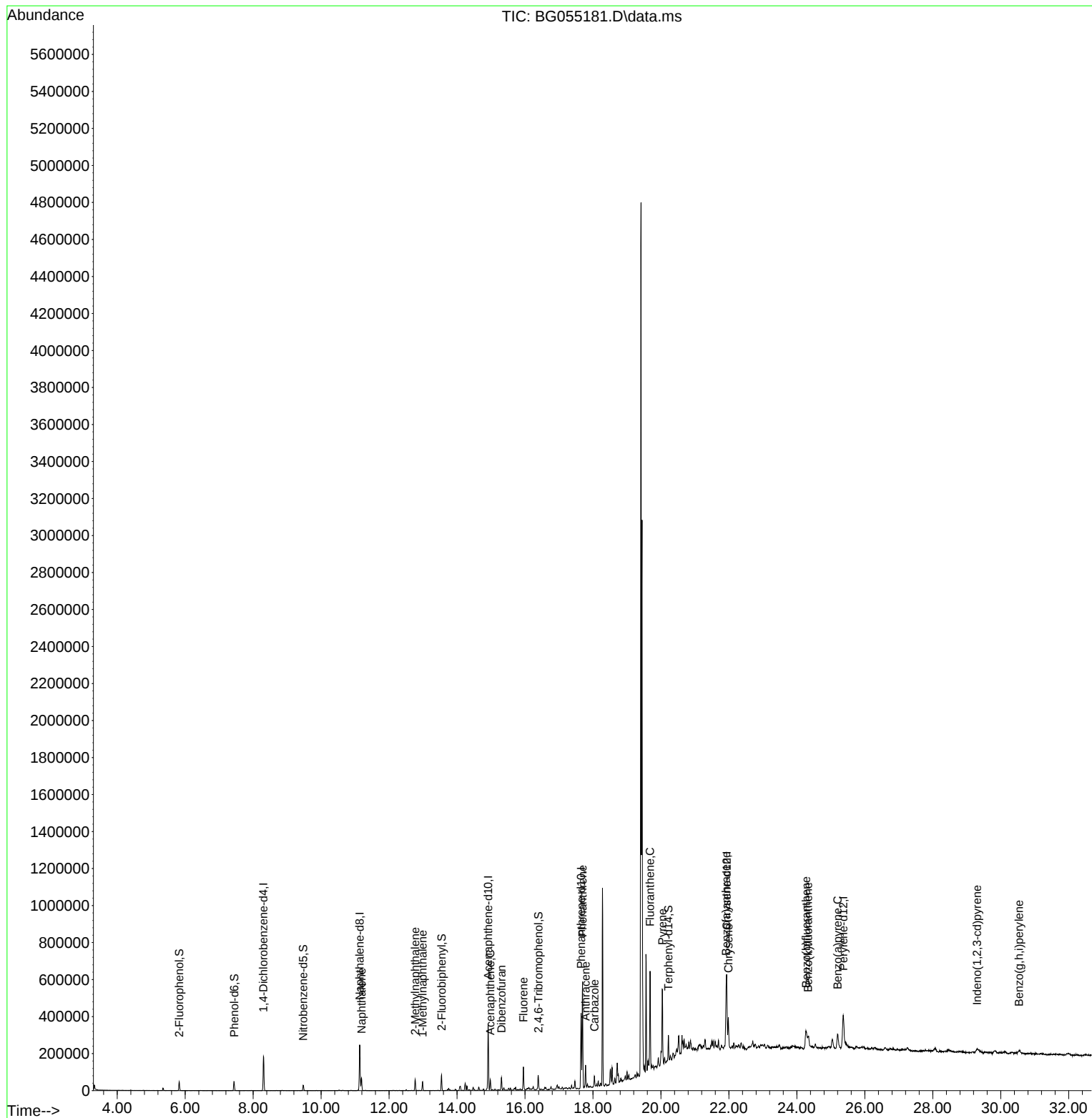
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
Data File : BG055181.D
Acq On : 14 Oct 2022 16:57
Operator : CG/JU
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ALS Vial : 9 Sample Multiplier: 1

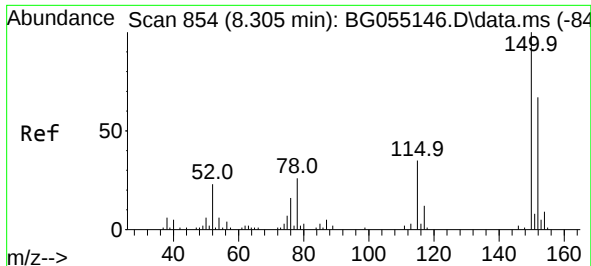
Instrument :
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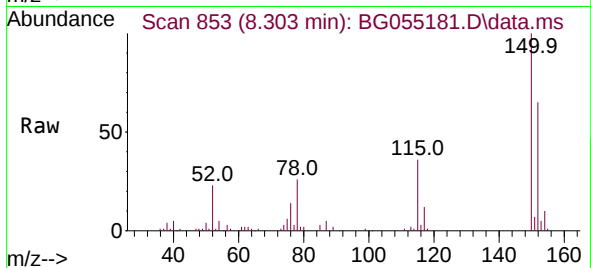
Quant Time: Oct 14 17:36:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 05:14:13 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.303 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

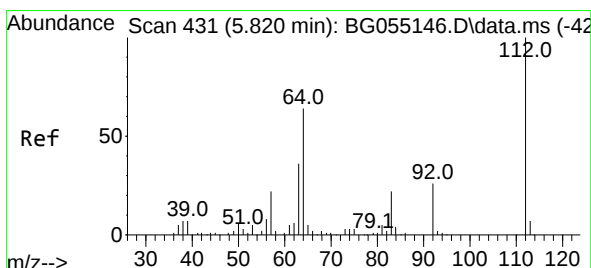
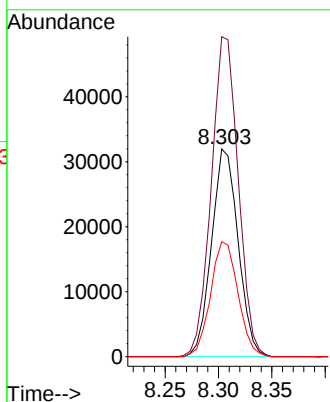
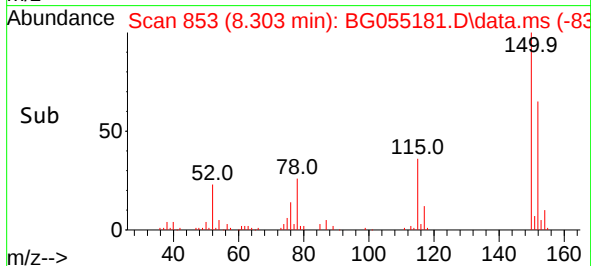
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL



Tgt Ion:152 Resp: 55437
Ion Ratio Lower Upper
152 100
150 154.2 119.7 179.5
115 55.4 42.4 63.6

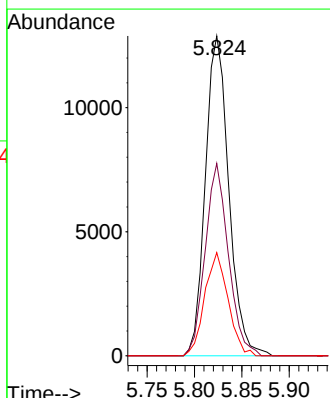
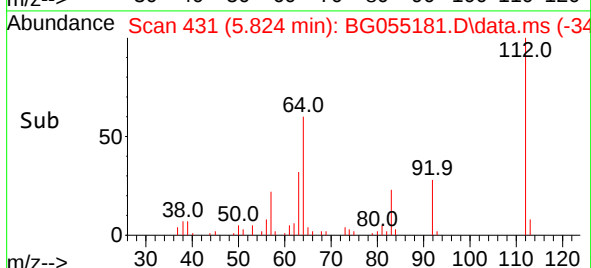
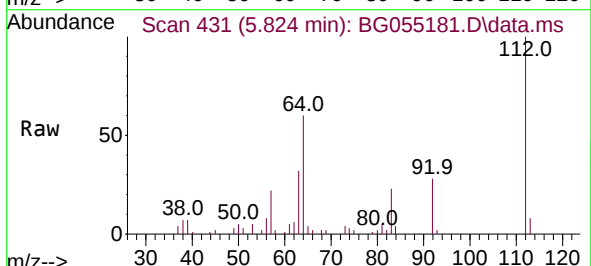
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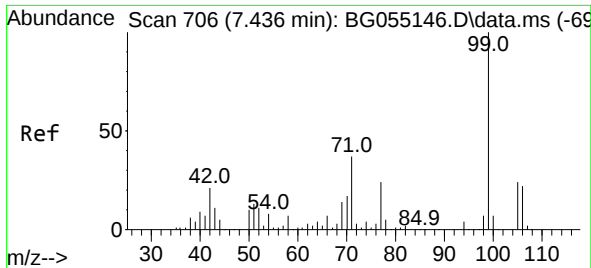
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#5
2-Fluorophenol
Concen: 7.836 ng
RT: 5.824 min Scan# 431
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

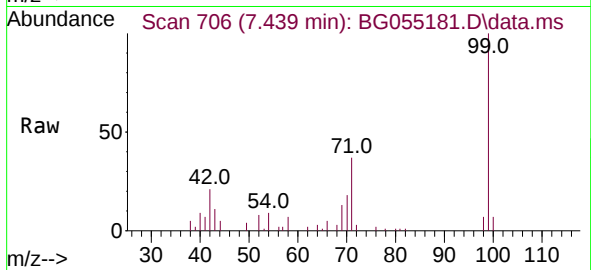
Tgt Ion:112 Resp: 22203
Ion Ratio Lower Upper
112 100
64 60.1 50.9 76.3
63 32.3 29.0 43.6





#7
Phenol-d6
Concen: 7.056 ng
RT: 7.439 min Scan# 706
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

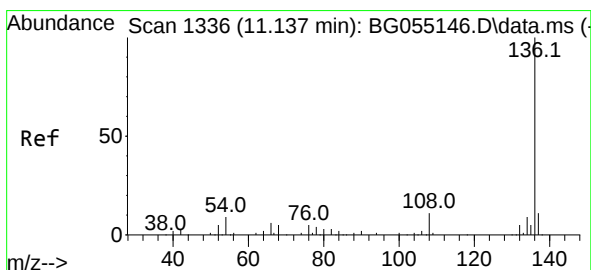
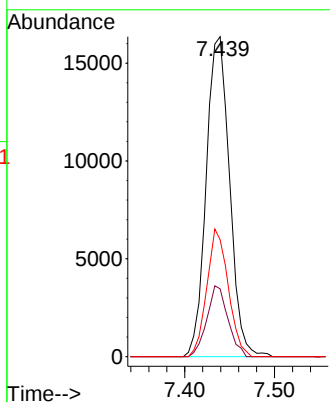
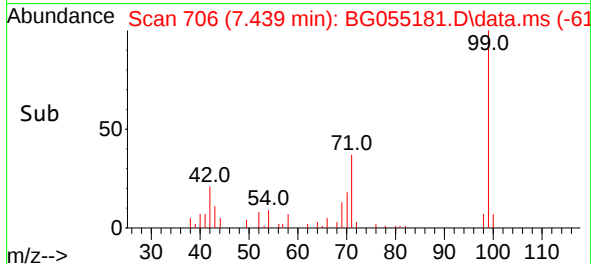
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Tgt Ion: 99	Resp: 29574
Ion Ratio	Lower Upper
99 100	
42 21.2	16.6 25.0
71 36.5	29.6 44.4

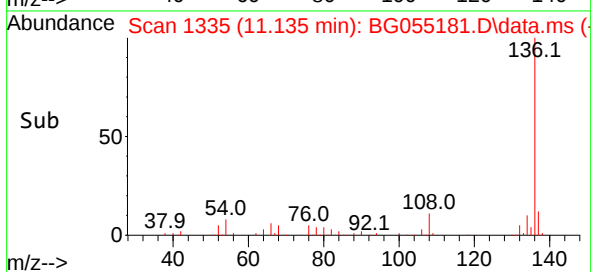
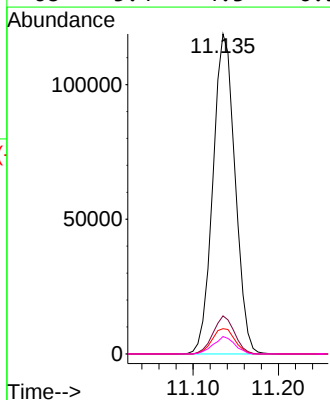
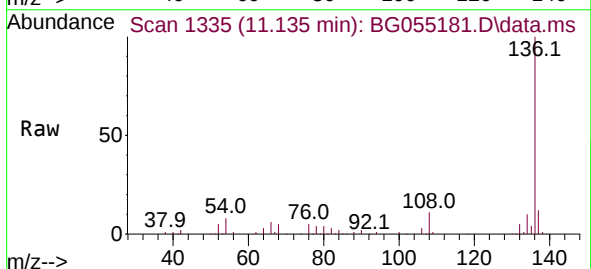
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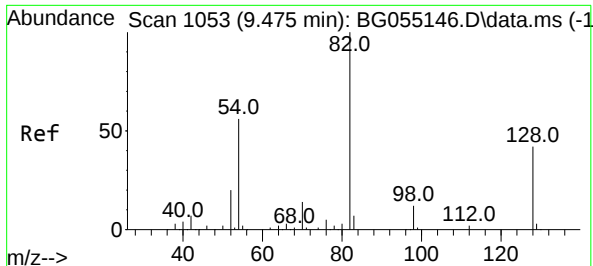
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.135 min Scan# 1335
Delta R.T. -0.002 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:136	Resp: 213942
Ion Ratio	Lower Upper
136 100	
137 11.9	9.1 13.7
54 7.9	7.0 10.6
68 5.4	4.3 6.5





#23

Nitrobenzene-d5

Concen: 4.550 ng

RT: 9.472 min Scan# 1052

Delta R.T. -0.002 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Instrument :

BNA_G

ClientSampleId :

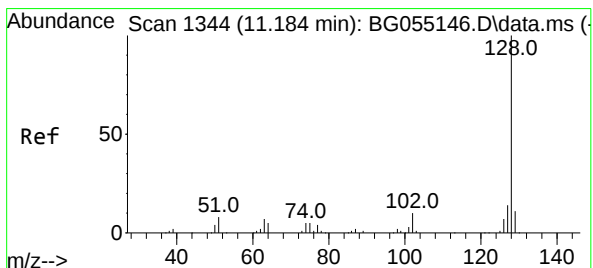
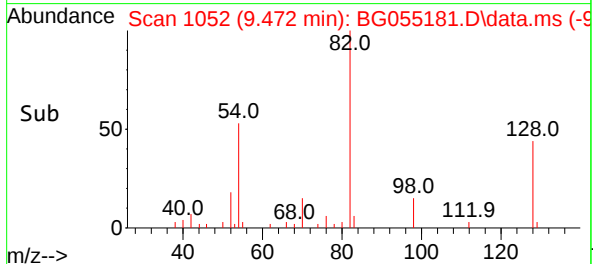
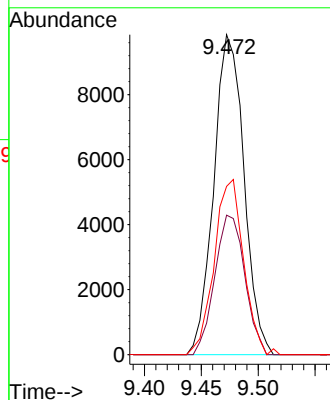
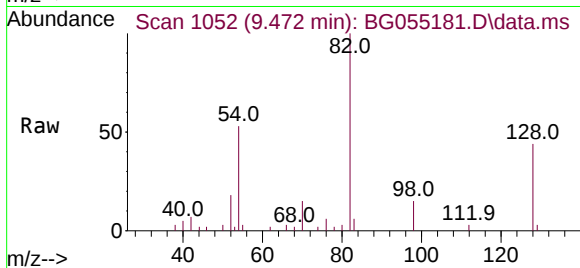
SU-4-101222DL

Tgt Ion: 82	Resp: 1815
Ion Ratio	Lower Upper
82 100	
128 43.6	33.5 50.3
54 52.6	44.7 67.1

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Supervised By :mohammad ahmed 10/18/2022



#31

Naphthalene

Concen: 5.126 ng

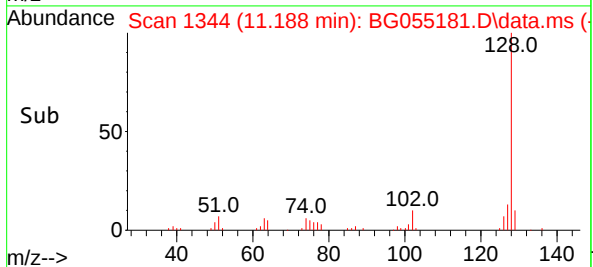
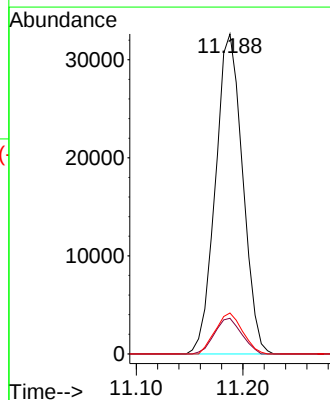
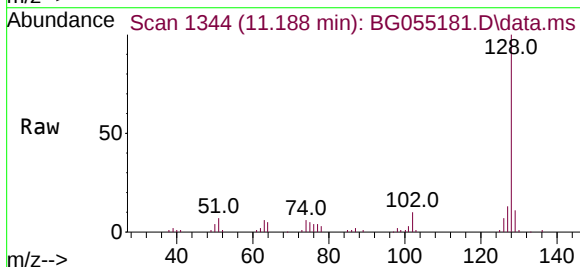
RT: 11.188 min Scan# 1344

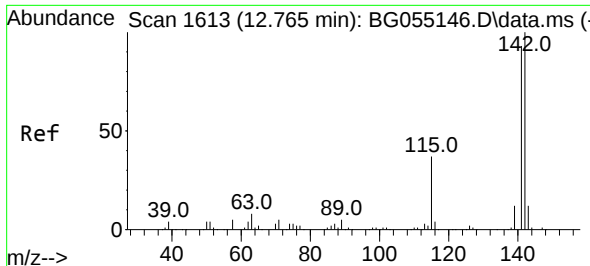
Delta R.T. 0.004 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Tgt Ion:128	Resp: 57676
Ion Ratio	Lower Upper
128 100	
129 11.1	8.6 13.0
127 12.8	11.1 16.7





#37

2-Methylnaphthalene

Concen: 3.285 ng

RT: 12.768 min Scan# 1613

Delta R.T. 0.004 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Instrument :

BNA_G

ClientSampleId :

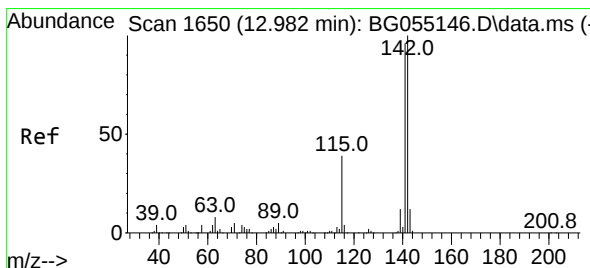
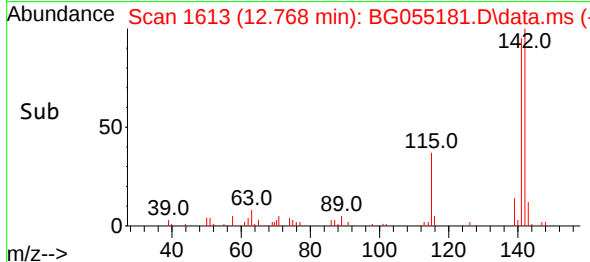
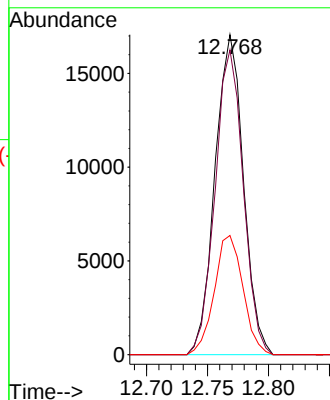
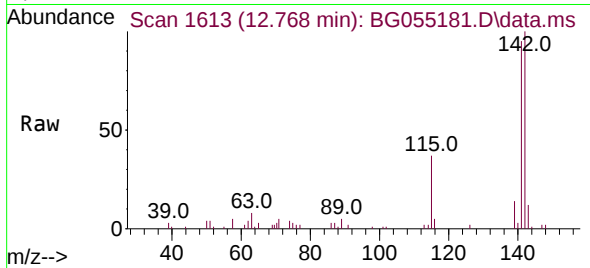
SU-4-101222DL

Tgt Ion:142	Resp:	2768
Ion Ratio	Lower	Upper
142	100	
141	95.2	74.8 112.2
115	37.2	29.8 44.6

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#38

1-Methylnaphthalene

Concen: 2.762 ng

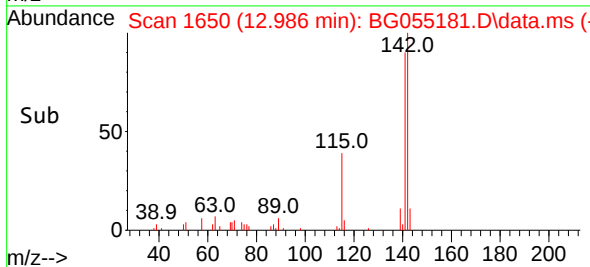
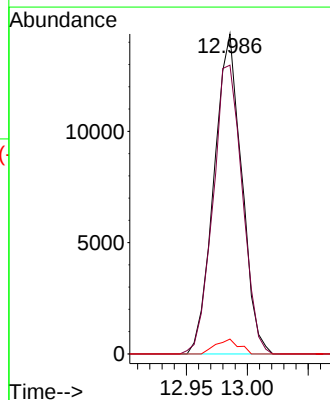
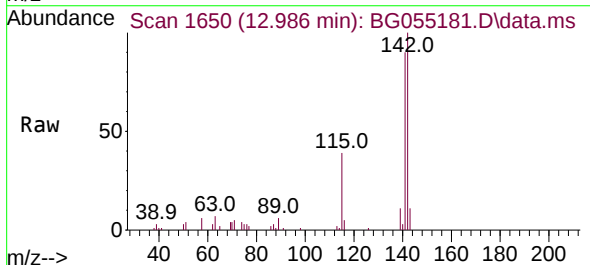
RT: 12.986 min Scan# 1650

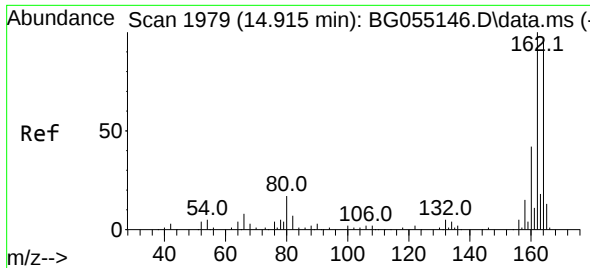
Delta R.T. 0.004 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

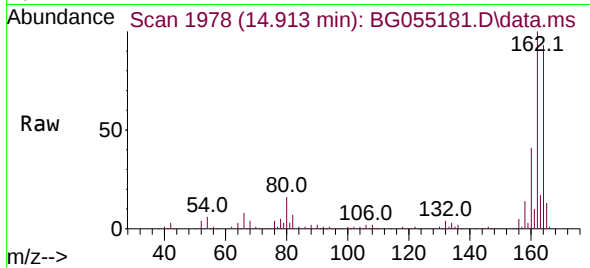
Tgt Ion:142	Resp:	22701
Ion Ratio	Lower	Upper
142	100	
141	90.2	76.9 115.3
116	4.6	3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.913 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

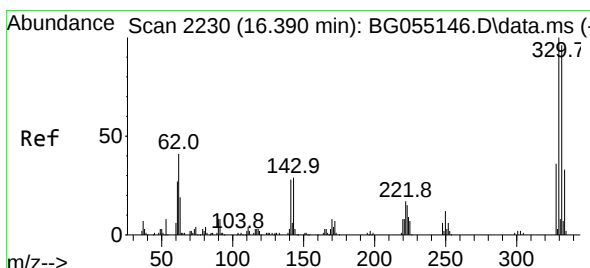
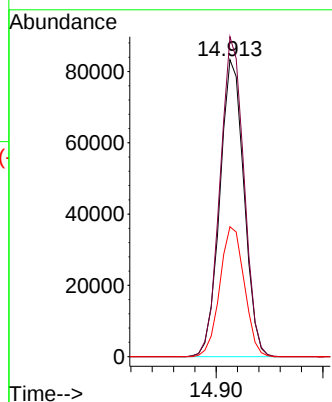
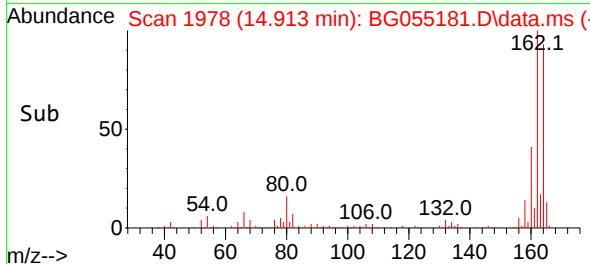
Instrument :
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ClientSampleId :
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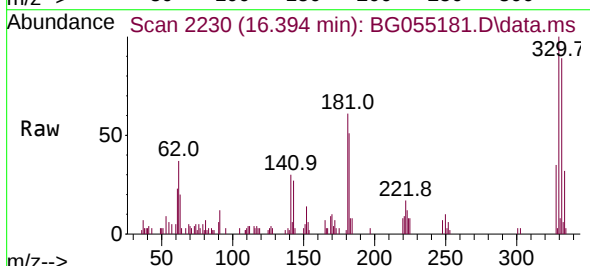
Tgt Ion:164 Resp: 130960
Ion Ratio Lower Upper
164 100
162 107.8 83.3 124.9
160 43.8 35.3 52.9

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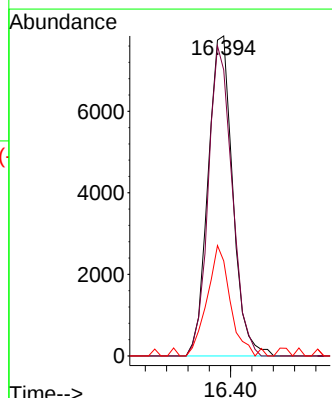
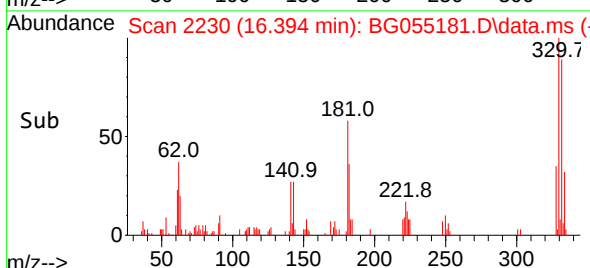
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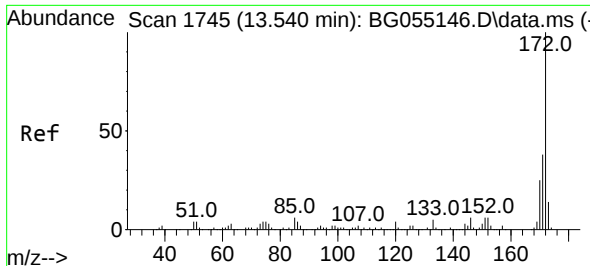


#42
2,4,6-Tribromophenol
Concen: 6.709 ng
RT: 16.394 min Scan# 2230
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57



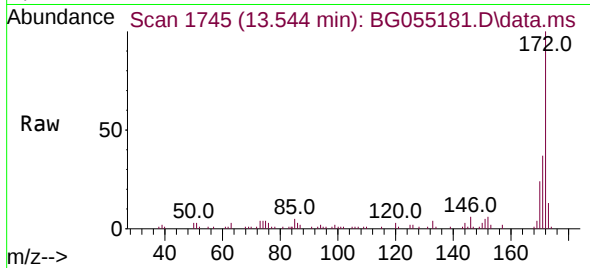
Tgt Ion:330 Resp: 12625
Ion Ratio Lower Upper
330 100
332 93.6 77.0 115.4
141 32.5 24.6 36.8





#45
2-Fluorobiphenyl
Concen: 5.587 ng
RT: 13.544 min Scan# 1745
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

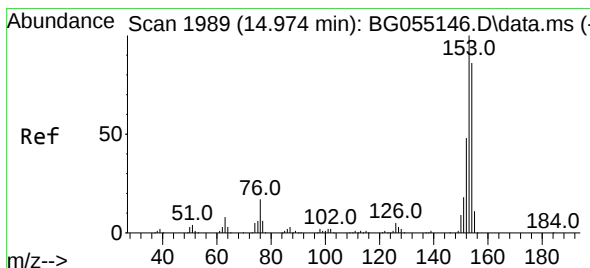
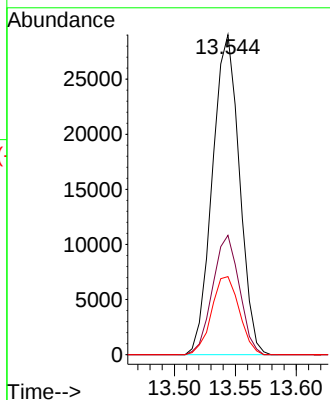
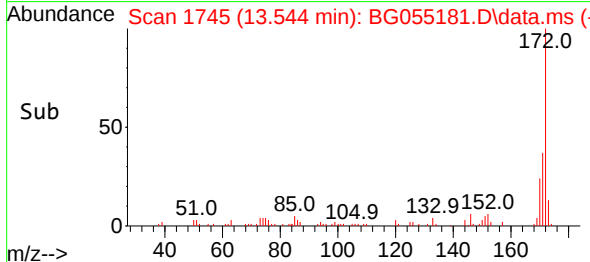
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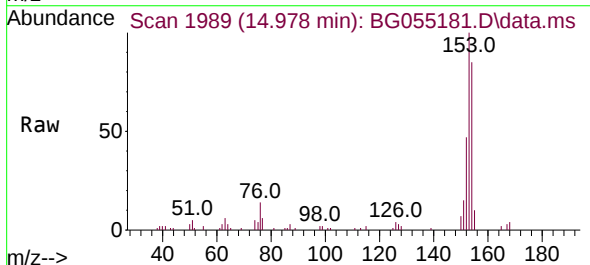
Tgt Ion:172 Resp: 44788
Ion Ratio Lower Upper
172 100
171 37.3 30.1 45.1
170 24.4 19.8 29.6

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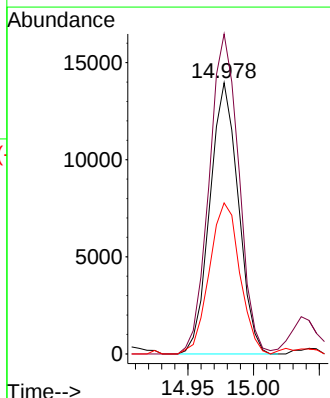
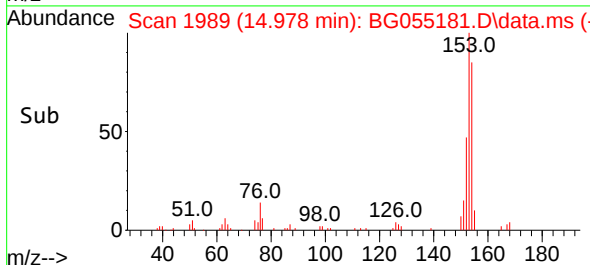
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

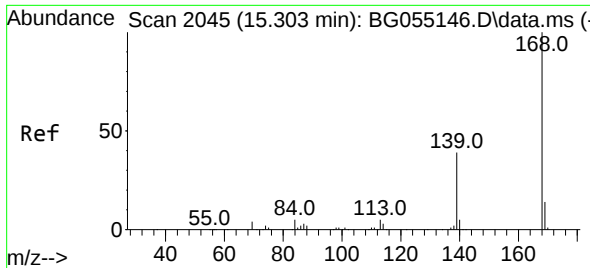


#52
Acenaphthene
Concen: 2.758 ng
RT: 14.978 min Scan# 1989
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57



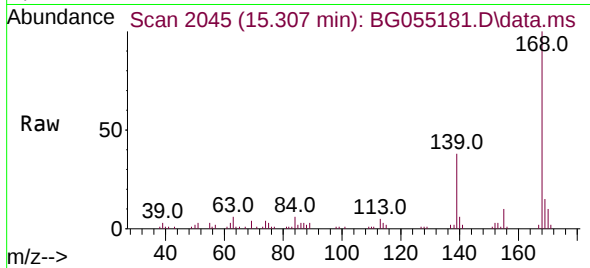
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Ion Ratio Lower Upper
154 100
153 118.1 93.0 139.4
152 55.7 44.6 66.8





#55
Dibenzenofuran
Concen: 3.245 ng
RT: 15.307 min Scan# 2045
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

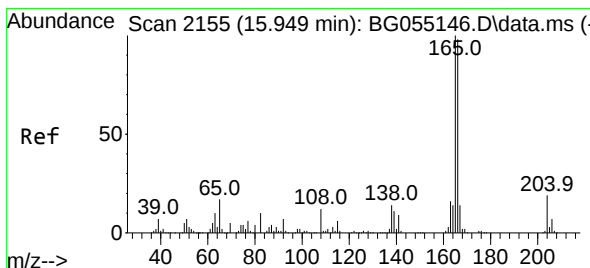
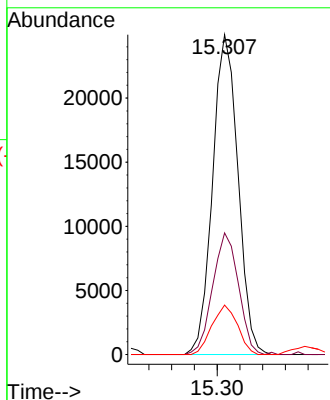
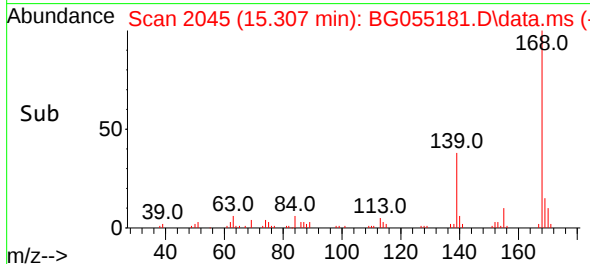
Instrument :
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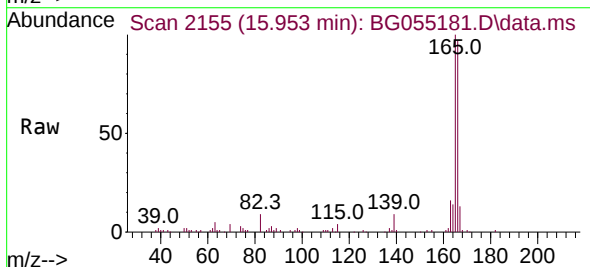
Tgt Ion:168 Resp: 38668
Ion Ratio Lower Upper
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139 38.0 30.9 46.3
169 15.5 11.0 16.6

Manual Integrations
APPROVED

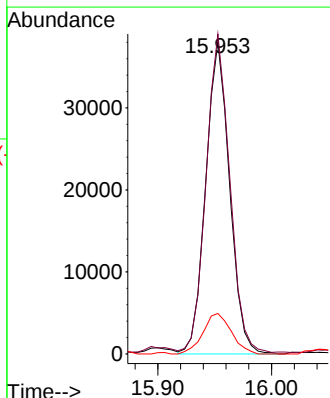
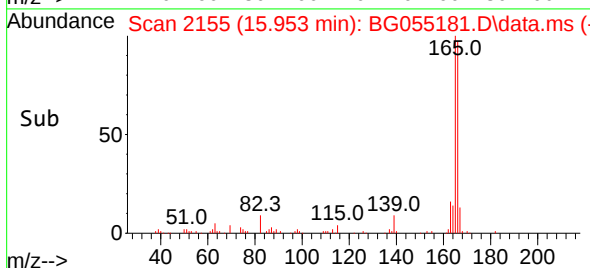
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

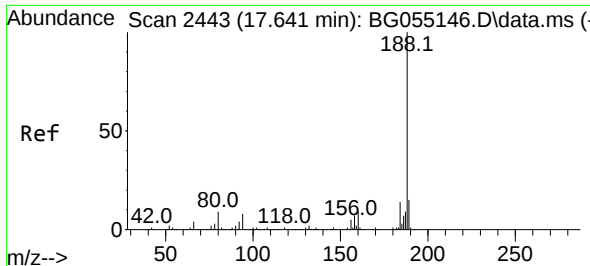


#58
Fluorene
Concen: 5.677 ng
RT: 15.953 min Scan# 2155
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57



Tgt Ion:166 Resp: 55546
Ion Ratio Lower Upper
166 100
165 102.6 81.6 122.4
167 12.9 11.2 16.8





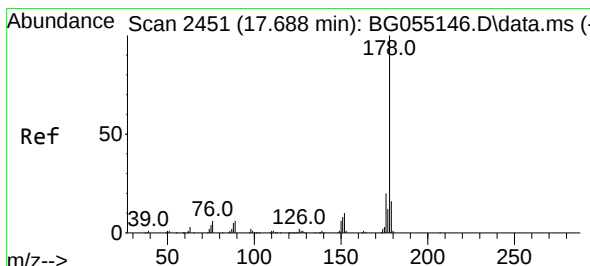
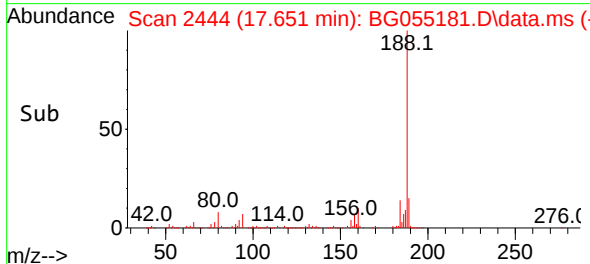
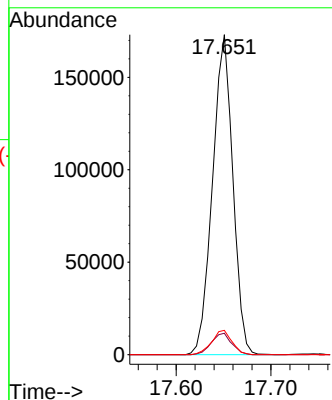
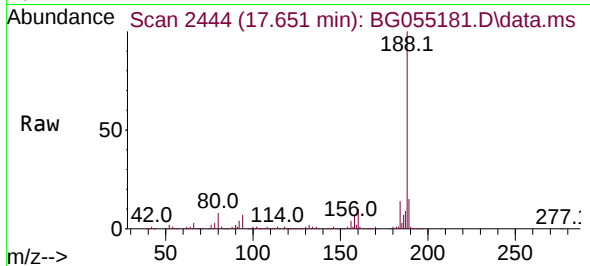
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.651 min Scan# 2444
Delta R.T. 0.009 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL

Tgt Ion:188 Resp: 257305
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.2
80 7.6 7.0 10.6

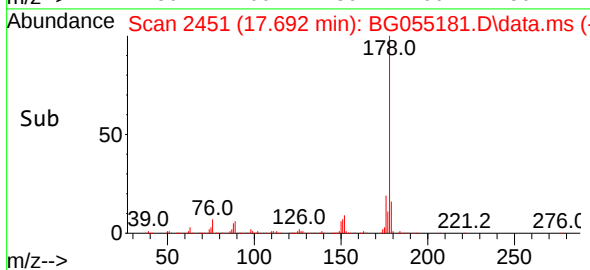
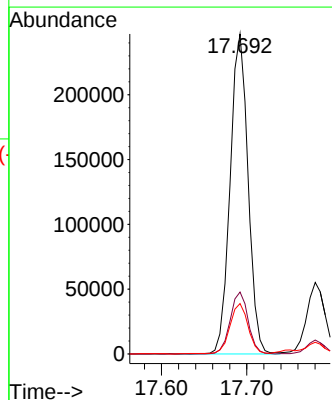
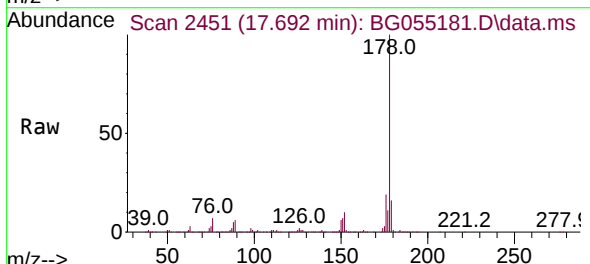
Manual Integrations
APPROVED

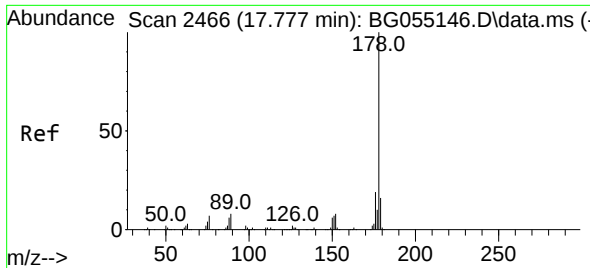
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#71
Phenanthrene
Concen: 26.963 ng
RT: 17.692 min Scan# 2451
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

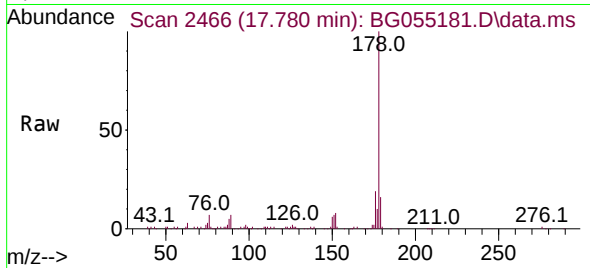
Tgt Ion:178 Resp: 359853
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.7 12.7 19.1





#72
 Anthracene
 Concen: 6.096 ng
 RT: 17.780 min Scan# 2466
 Delta R.T. 0.004 min
 Lab File: BG055181.D
 Acq: 14 Oct 2022 16:57

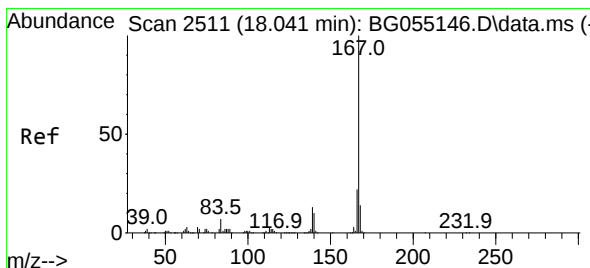
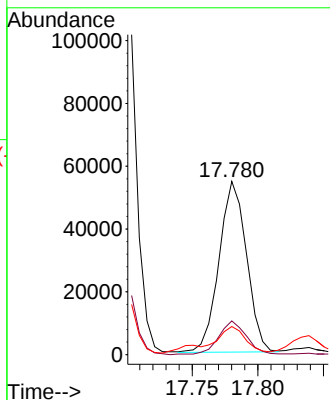
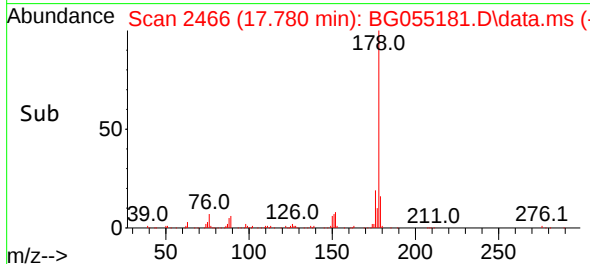
Instrument :
 BNA_G
 ClientSampleId :
 SU-4-101222DL



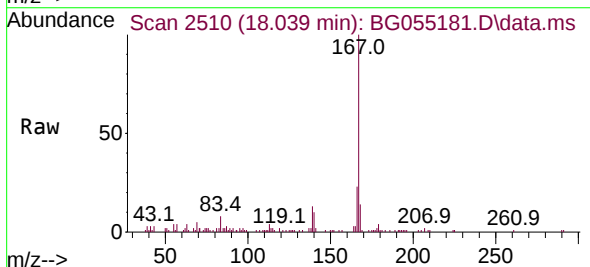
Tgt Ion:178 Resp: 79505
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.1 22.7
 179 16.2 13.0 19.4

Manual Integrations
 APPROVED

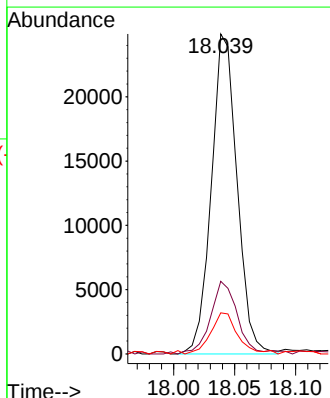
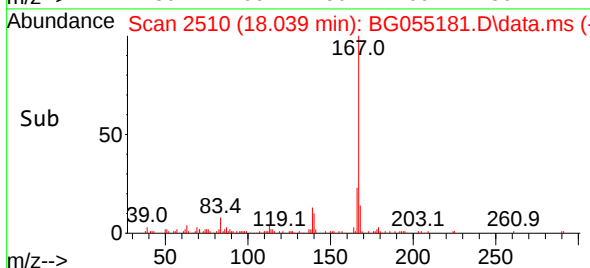
Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022

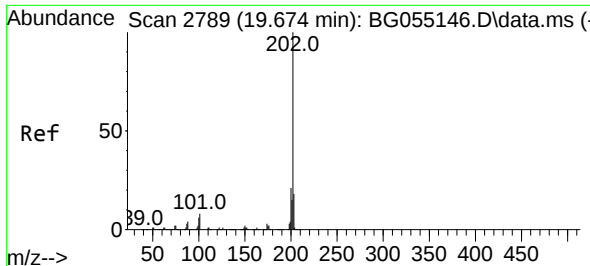


#73
 Carbazole
 Concen: 3.004 ng
 RT: 18.039 min Scan# 2510
 Delta R.T. -0.002 min
 Lab File: BG055181.D
 Acq: 14 Oct 2022 16:57



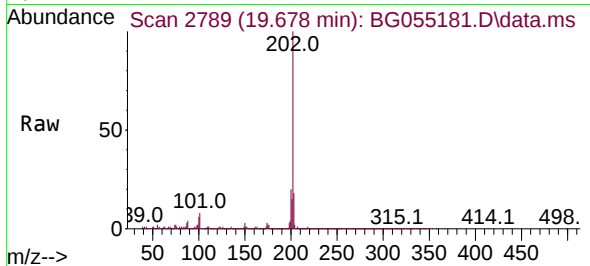
Tgt Ion:167 Resp: 36477
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.9 26.9
 139 12.8 10.2 15.2





#75
Fluoranthene
Concen: 20.479 ng
RT: 19.678 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

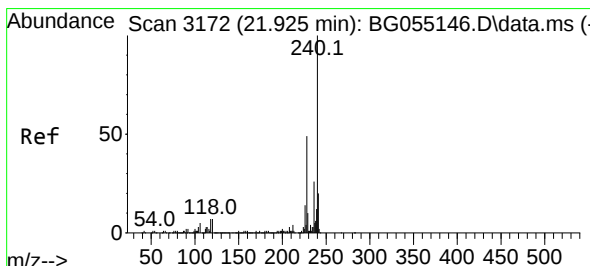
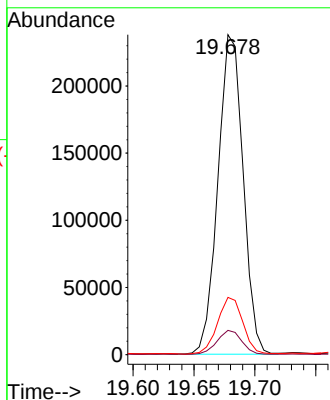
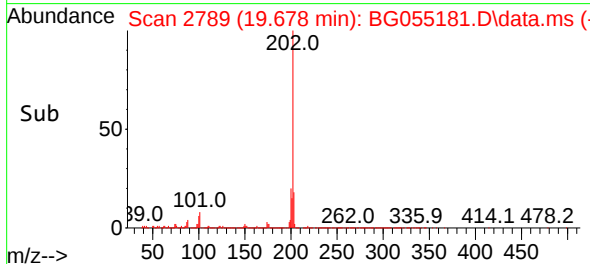
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL



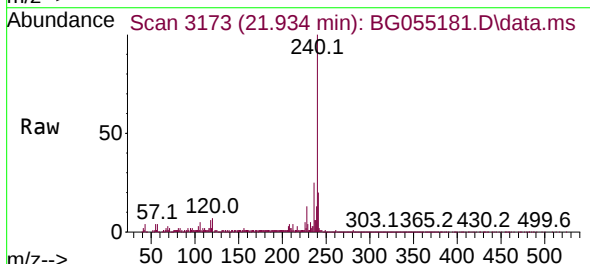
Tgt Ion:202 Resp: 341664
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.4
203 17.9 0.0 37.8

Manual Integrations
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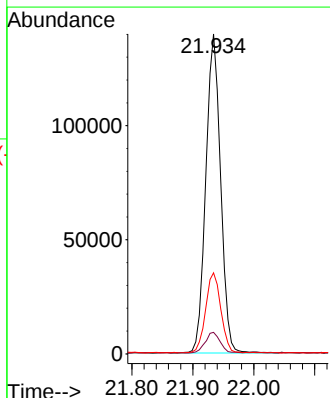
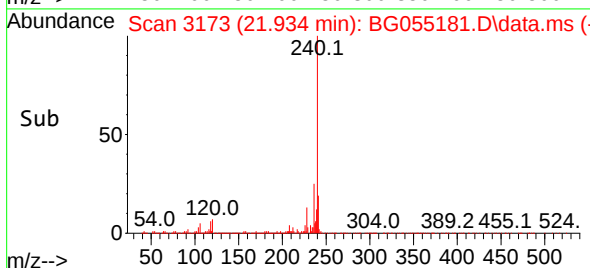
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

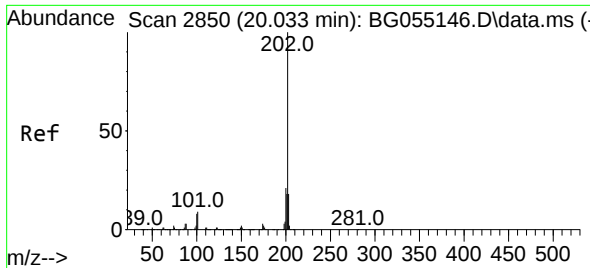


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.934 min Scan# 3173
Delta R.T. 0.009 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57



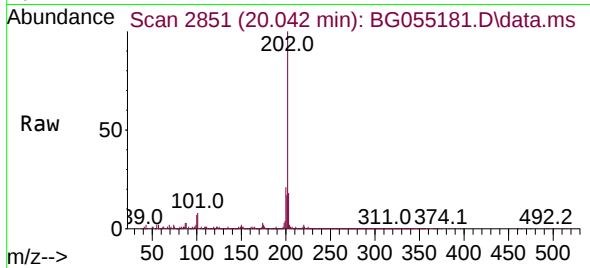
Tgt Ion:240 Resp: 235088
Ion Ratio Lower Upper
240 100
120 6.7 5.4 8.0
236 25.3 20.6 31.0





#78
Pyrene
Concen: 18.201 ng
RT: 20.042 min Scan# 2851
Delta R.T. 0.009 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

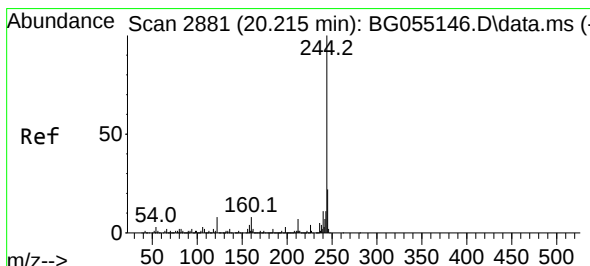
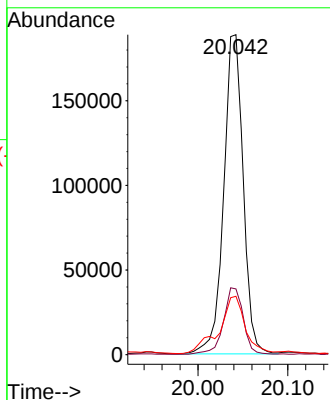
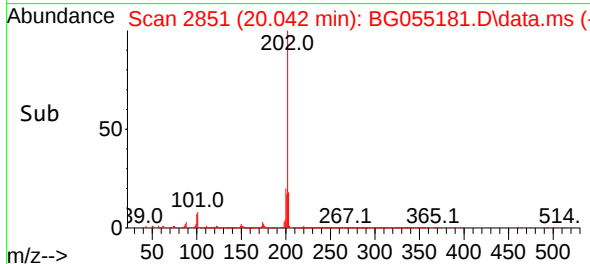
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL



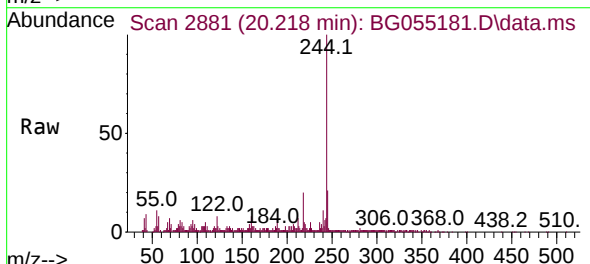
Tgt Ion:202 Resp: 285236
Ion Ratio Lower Upper
202 100
200 20.5 16.9 25.3
203 18.2 14.4 21.6

Manual Integrations
APPROVED

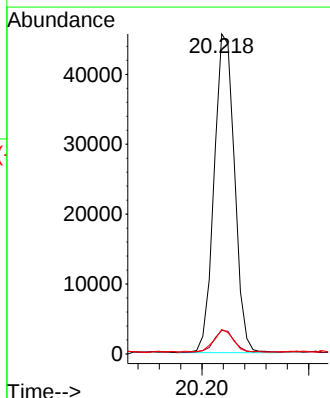
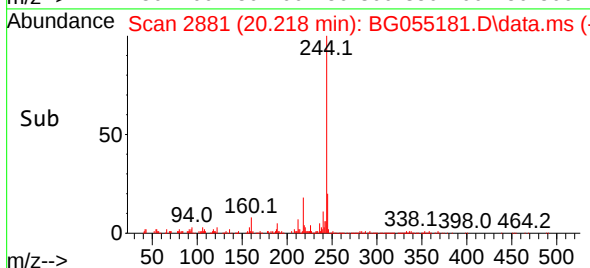
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

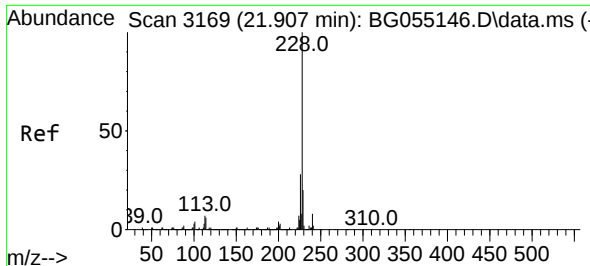


#79
Terphenyl-d14
Concen: 5.188 ng
RT: 20.218 min Scan# 2881
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57



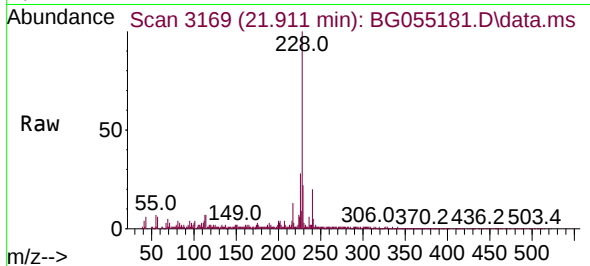
Tgt Ion:244 Resp: 60553
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 7.6 6.6 10.0





#81
Benzo(a)anthracene
Concen: 9.709 ng
RT: 21.911 min Scan# 3169
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

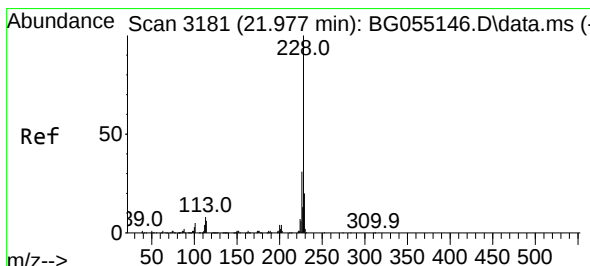
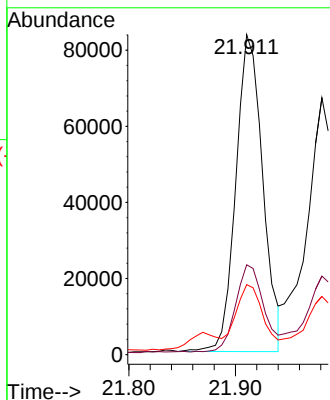
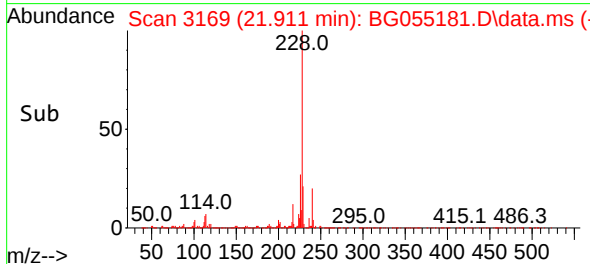
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL



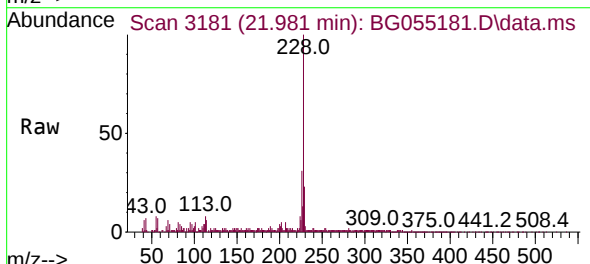
Tgt Ion:228 Resp: 146043
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 21.9 16.2 24.4

Manual Integrations
APPROVED

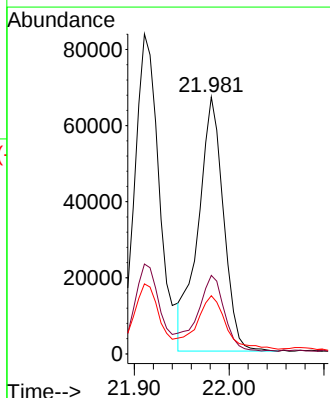
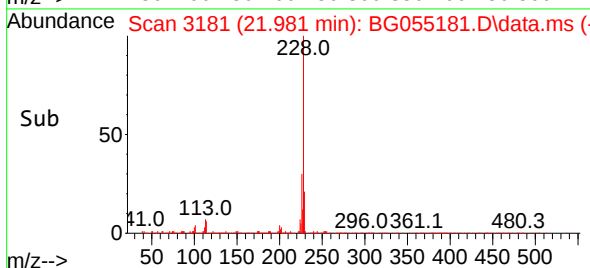
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

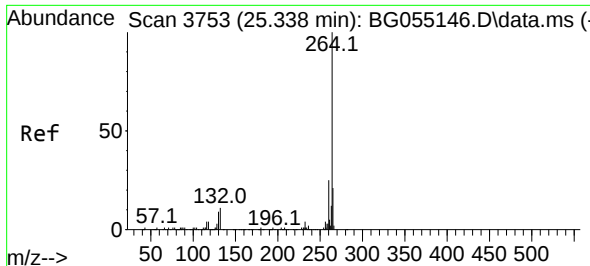


#83
Chrysene
Concen: 8.786 ng
RT: 21.981 min Scan# 3181
Delta R.T. 0.004 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57



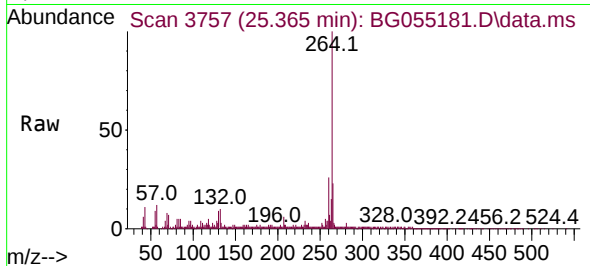
Tgt Ion:228 Resp: 124666
Ion Ratio Lower Upper
228 100
226 30.6 25.1 37.7
229 22.6 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.365 min Scan# 3753
Delta R.T. 0.027 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

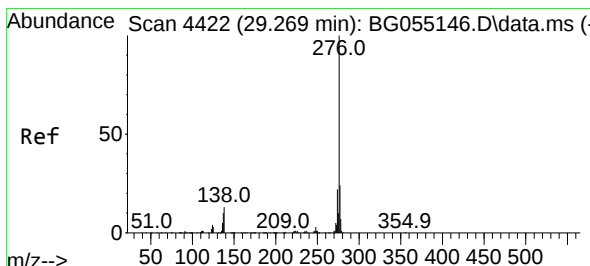
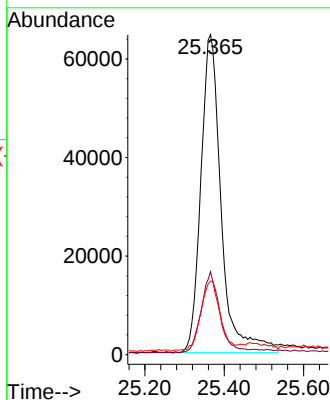
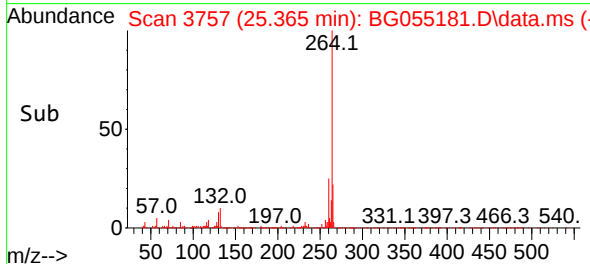
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL



Tgt Ion:264 Resp: 229193
Ion Ratio Lower Upper
264 100
260 25.9 20.1 30.1
265 23.0 16.8 25.2

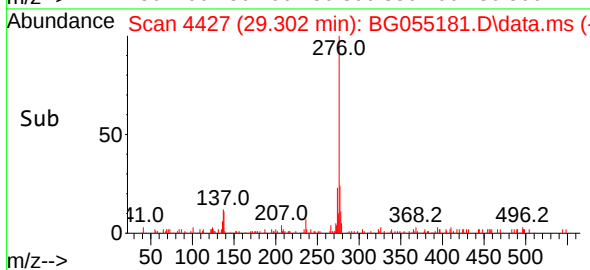
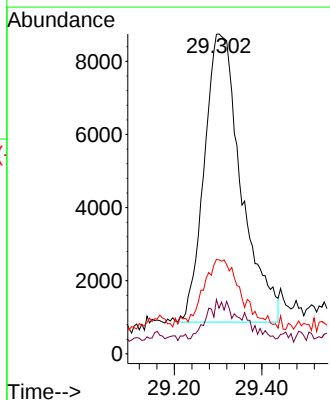
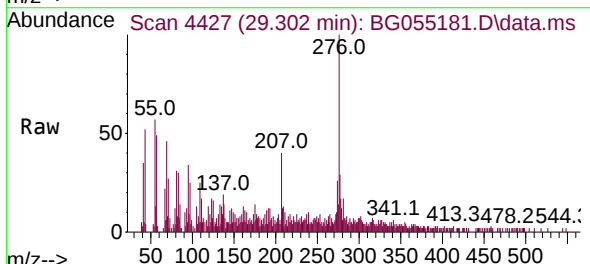
Manual Integrations
APPROVED

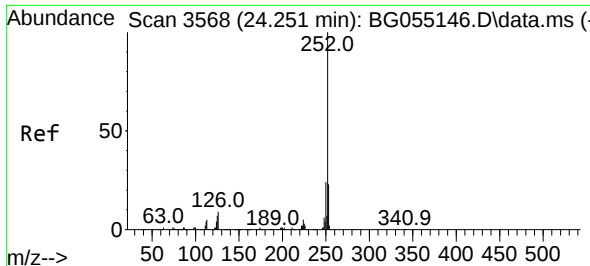
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.722 ng
RT: 29.302 min Scan# 4427
Delta R.T. 0.033 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

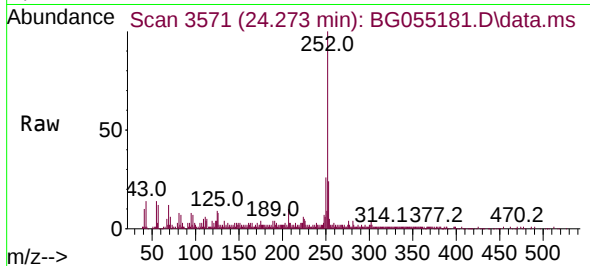
Tgt Ion:276 Resp: 46215
Ion Ratio Lower Upper
276 100
138 9.6 13.4 20.0#
277 22.1 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 10.554 ng
RT: 24.273 min Scan# 3571
Delta R.T. 0.021 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

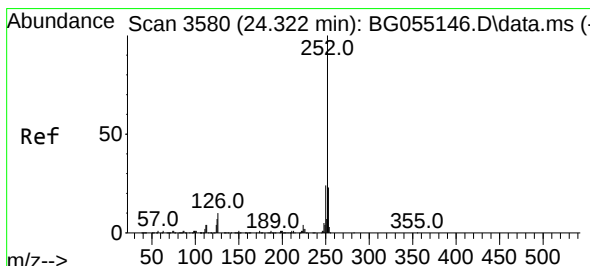
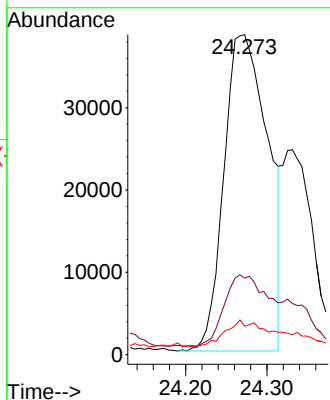
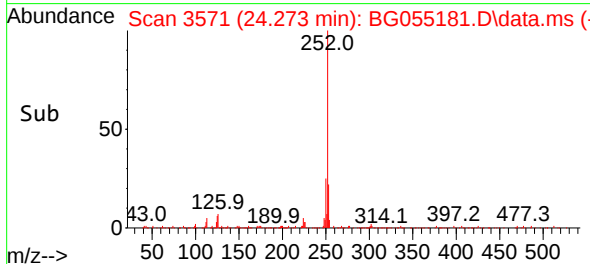
Instrument :
BNA_G
ClientSampleId :
SU-4-101222DL



Tgt Ion:252 Resp: 144175
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 8.9 5.7 8.5

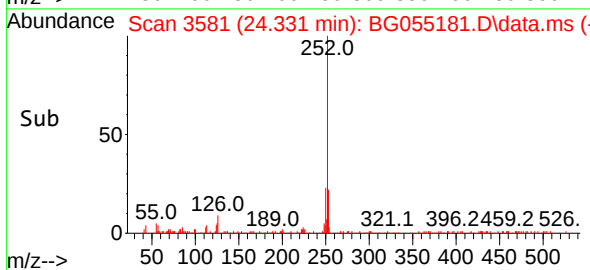
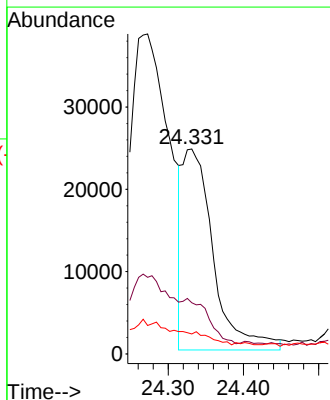
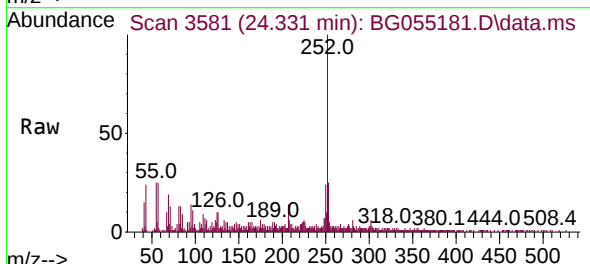
Manual Integrations
APPROVED

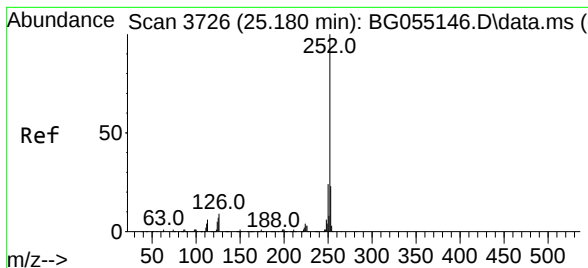
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#89
Benzo(k)fluoranthene
Concen: 5.113 ng m
RT: 24.331 min Scan# 3581
Delta R.T. 0.009 min
Lab File: BG055181.D
Acq: 14 Oct 2022 16:57

Tgt Ion:252 Resp: 70175
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 9.7 5.8 8.6





#90

Benzo(a)pyrene

Concen: 9.287 ng

RT: 25.195 min Scan# 31

Delta R.T. 0.015 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Instrument :

BNA_G

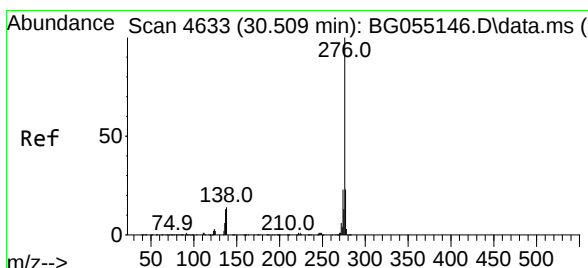
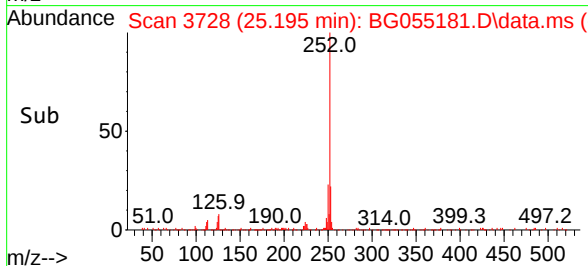
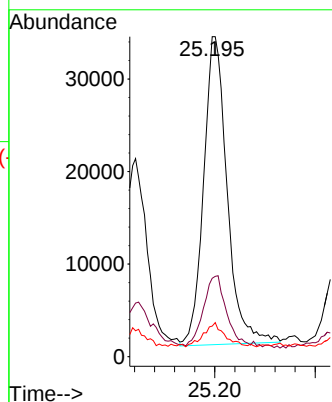
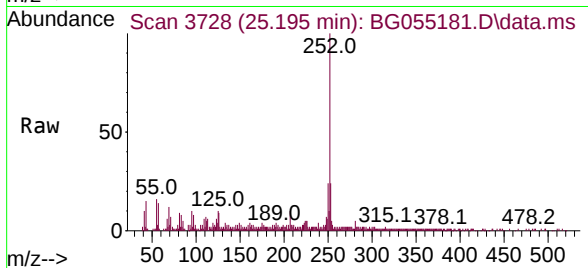
ClientSampleId :

SU-4-101222DL

Tgt Ion:252 Resp: 108488
 Ion Ratio Lower Upper
 252 100
 253 24.5 18.2 27.2
 125 9.5 5.8 8.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022



#92

Benzo(g,h,i)perylene

Concen: 2.687 ng

RT: 30.536 min Scan# 4637

Delta R.T. 0.027 min

Lab File: BG055181.D

Acq: 14 Oct 2022 16:57

Tgt Ion:276 Resp: 36978
 Ion Ratio Lower Upper
 276 100
 277 32.0 18.4 27.6
 138 15.0 11.2 16.8

